

\* NOTICES \*

JPO and INPIT are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

Document #4

---

CLAIMS

---

(57) [Claim(s)]

[Claim 1] A guidance tube is inserted in the interior of the surface layer which covers the outside surface of tubular resin adsorption material with an airtight high film, and changes. After inserting the internal layer which changes from another tubular resin adsorption material which attached two or more jointing material to a surface layer into said guidance tube, The manufacture approach of the tubing liner characterized by sampling a guidance tube where the end of a surface layer and an internal layer is fixed, pasting up a surface layer and an internal layer partially by said jointing material, and making hardenability resin sink into each tubular resin adsorption material of a surface layer and an internal layer.

[Claim 2] The internal layer which consists of the tubular resin adsorption material which attached two or more jointing material in the outside surface is inserted into a guidance tube. After an outside surface inserts the internal layer covered by said guidance tube inside the surface layer which consists of another tubular resin adsorption material covered with the airtight high film, The manufacture approach of the tubing liner characterized by sampling said guidance tube where the end of a surface layer and an internal layer is fixed, pasting up a surface layer and an internal layer partially by said jointing material, and making hardenability resin sink into each tubular resin adsorption material of a surface layer and an internal layer.

[Claim 3] The manufacture approach of the tubing liner according to claim 1 or 2 characterized by carrying out reversal insertion of said guidance tube inside said surface layer by hydrostatic pressure.

[Claim 4] The manufacture approach of the tubing liner characterized by making hardenability resin sink into each tubular resin adsorption material of a surface layer and an internal layer after joining the edges of said band-like nonwoven fabric and obtaining a surface layer, rounding off a band-like nonwoven fabric, wrapping from an outside the internal layer which consists of the tubular resin adsorption material which joins the edges and is obtained in another band-like nonwoven fabric, and making two or more jointing material intervene partially among both.

[Claim 5] Said jointing material is the manufacture approach of claims 1-3 characterized by consisting of pieces of Velcro, or a tubing liner given in four.

[Claim 6] Said jointing material is the manufacture approach of claims 1-3 characterized by consisting of a double faced adhesive tape or a surface needlelike plastics member, or a tubing liner given in four.

[Claim 7] The manufacture approach of claims 1-5 which make said internal layer multilayer structure and are characterized by pasting up each class partially by joining, or a tubing liner given in six.

---

[Translation done.]